Telecom Trends, Strategies & Blue Suede in Memphis

Nametags/Lanyards & Audio Visual Equipment Sponsored by Tut Systems

Printing, Supplies and Shipping Sponsored by Cisco Systems

Sunday, April 30, 2006

6:30 p.m. Early Registration and Welcome Reception Sponsored By Zhone Technologies

8:00 p.m. Dinner on your own

Monday, May 1, 2006

7:30 a.m. Continental Breakfast and Registration Sponsored By Allied Telesyn

8:00 a.m. Welcome and Housekeeping Charles Watts, President of ACE Communications Engineers. Inc.

8:10 a.m. Broadband Session Opening Remarks

Lynn Merrill, Topic Moderator Monte R. Lee & Company

The presentations in the Broadband session will update participants on the latest DSL innovations including the move to ADSL2 for video. Data transport over an hybrid fiber coaxial network will be discussed along with various FTTH architectures & equipment. Wave division multiplexing deployment strategies for CWDM & DWDM will be reviewed, and time will be spent sharing information on other types of data transport systems such as powerline carrier and resilient packet rings.

8:20 a.m. Transmission Over Copper Dennis Kent, Telecom Engineers

8:50 a.m. Transmission Over Hybrid Fiber Coax Chaz Calhoun, Mid-State Consultants, Inc.

9:20 a.m. Fiber to the Home (Both GPON and GEPON)
Mike Riley, Mid-State Consultants, Inc.

a.m. Morning Break – Sponsored by Tekelec

10:20 a.m. Vendor Breakout Sessions (Running simultaneously for 25 minutes in breakout rooms)
Zhone Technologies and CopperCom

10:50 a.m. High Bit Rate Transmission Over Fiber Rob Cook, Monte R. Lee & Company

11:20 a.m. An Overview of Other Data Transport Systems
Chris Roland, McCall-Thomas Engineering Company

12:00 p.m. Lunch

Sponsored by Nortel Networks

1:00 p.m. Wireless Session Opening Remarks

Rick Overman, Topic Moderator CHR Solutions, Inc.

The series of presentations in the wireless session will address next generation mobile wireless technologies like 3G and Wi-Max. Fixed wireless innovations will also be reviewed to show where the lines are being blurred between fixed and mobile technologies. Wireless handheld devices will be discussed from the perspective of the way they are going to shape customer expectations of network capability. The role of satellite in deploying voice and video will be explored, and time will be devoted to reviewing the new technologies and spectrum availability that loom on the horizon.

1:05 p.m. Next Generation Mobile Wireless

Mike McGannon, Engineering Associates, Inc.

1:30 p.m. Fixed Wireless

Donn Swedenburg, RVW, Inc.

2:00 p.m. Wireless Customer Devices

Russ Hamilton, CHR Solutions, Inc.

2:30 p.m. Afternoon Break

Sponsored by AFL Telecommunications

2:50 p.m. Vendor Breakout Sessions (Running simultaneously for 25 minutes in breakout rooms) Microsoft/Alcatel and Innovative Systems

3:15 p.m. Satellite-Based Services

Gary Beikmann, Monte R. Lee & Company

3:45 p.m. What's Coming Down the Road? Tom Fulton, Fulton Engineering, Inc.

Tom Fullon, Fullon Engine

4:15 p.m. Wireless Q & A

4:35 p.m. Recess for the Day

6:00 p.m. Hospitality Suite

Sponsored by Microsoft & Alcatel

7:30 p.m. Dinner on your own

Tuesday, May 2, 2006

7:15 a.m. Continental Breakfast and Registration Sponsored by Innovative Systems

7:30 a.m. Early Bird Vendor Presentations (Running simultaneously for 25 minutes in breakout rooms)

Tekelec and Calix

8:00 a.m. Video Session Opening Remarks

Tom Harter, Topic Moderator Engineering Associates, Inc.

The video session will include presentations addressing why companies choose RF or IP technology to deploy video services. Video headends will be discussed to compare analog, digital, and IP systems on the basis of middleware, cost, and other issues of concern. Compression standards, such as MPEG2, MPEG4, & Windows Media 9 will be reviewed in light of HDTV requirements. Also the wide range of new video services like VoD, gaming, and DVRs will be explored to understand consumer demand, costs, and delivery methods.

8:10 a.m. RF Versus IP

Jerry Neal, Engineering Associates, Inc.

9:00 a.m. Video Headends

John DeWitte, Vantage Point Solutions, Inc.

9:50 a.m. Morning Break
Sponsored by Calix

10:15 a.m. Vendor Breakout Sessions (Running simultaneously for 25 minutes in breakout rooms)

NRTC and Tut Systems

10:45 a.m. Compression Standards

Steve Senne, Finley Engineering Company

11:20 a.m. Video Services

Jason Dale, CC&I Engineering, Inc.

12:00 p.m. Lunch

Sponsored by NRTC

RUS PRESENTATIONS

1:00 p.m. Telecom Program Update

Jon Claffey

on olanoj

2:10 p.m. Afternoon Break

Sponsored by Metaswitch

2:30 p.m. Vendor Breakout Sessions (Running simultaneously for 25 minutes in breakout rooms)

Metaswitch and Cisco Systems

3:00 p.m. Industry Trends and Universal Service

Ed Cameron and Gary Allan

4:15 p.m. Standards/Listing Developments

Norberto Esteves

(Schedule continues on back)

Please make checks payable to Association of Communication Engineers

Amount Enclosed

П

\$350.00

 \times

Attendees

φ

Number

Name(s) of Attendees

Email

Contact

Felephone:

Fах:

Company Address:

Company Name:

ASSOCIATION OF COMMUNICATION ENGINEERS c/o MID-STATE CONSULTANTS, INC. P. O. BOX 311 NEPHI, UT 84648

ASSOCIATION OF COMMUNICATION ENGINEERS c/o MID-STATE CONSULTANTS, INC.
ATTN: SUSAN CREER
P. O. BOX 311
NEPHI, UT 84648

5:00 p.m. Recess for Day Dinner on your own

Wednesday, May 3, 2006

7:15 a.m. Continental Breakfast and Registration Sponsored by CopperCom

7:30 a.m. Early Bird Vendor Presentations (*Running simultaneously for 25 minutes in breakout rooms*)

Nortel Networks and Allied Telesyn

8:00 a.m. Broadband Program News

Ken Kuchno

9:00 a.m. Broadband Engineering Update

Farwa Naqvi

9:30 a.m. Telecom Loan Program Trends

Ken Chandler and Jerry Brent

9:45 a.m. The Loan Application Process

Stan Wastowicz and Roland Woodfolk

10.00 a.m. Morning Break

Sponsored by Symmetricom

10:10 a.m. Vendor Breakout Session (Running simultaneously for 25 minutes in breakout rooms)

Symmetricom and AFL Telecommunications

10:40 a.m. Telecom Engineering Update

Regulation and Construction Contracts Revisions

Peter Aimable and Aylene Mafnas

11:40 a.m. RUS Session Wrap-Up

Ed Cameron

12:00 p.m. Grand Prize Drawing and Adjourn

LOCATION

The seminar will be held at the Marriott Memphis Downtown, 250 N. Main Street, Memphis, Tennessee. Each attendee should arrange their own hotel accommodations by calling Marriott Reservations at (800) 228-9290 or (901) 527-7300. Please indicate you will be attending the ACE School when making your reservation to receive the negotiated room rate of \$119. Reservations must be made by April 17, 2006 the "Cut-Off Date" to ensure getting this special rate.

COST AND MEALS

The seminar fee is \$350 per attendee which includes all of the receptions and the meals shown on the brochure except for those shown as "on your own", entrance to the seminar, and copies of materials presented at the seminar along with a 3-ring binder for assembling the material. Attendees will be responsible for room and associated charges.

SEMINAR OVERVIEW

This seminar is intended to provide an update on technology segments vital to the future of Telecommunications Service Providers. The topics chosen for presentation include Broadband, Wireless, and Video Communications. The Rural Development Telecommunications Program is also presenting two half-day sessions in conjunction with the ACE technology topics. Interspersed throughout the entire seminar are numerous vendor specific presentations that are offered in a dual-track format allowing for additional choices to customize the session.

ASSOCIATION OF COMMUNICATION ENGINEERS (ACE)

ACRS 2000 Corp., Inc.

CBW Communications Engineers, Inc.

CC&I Engineering, Inc. CCG Consulting, Inc.

Central Associated Engineers, Inc.

CHR Solutions, Inc.

Communication Network Engineers, Inc.

Communications Engineers, Inc.
Design South Professionals, Inc.

Engineering Associates, Inc. Finley Engineering Company

Fulton Engineering, Inc.

Gillespie, Prudhon and Associates, Inc.

Heberly and Associates HunTel Engineering

Hutchins & Wunnenberg Engineering, Inc.

Joseph D. Fail Engineering Company, Inc. Kadrmas, Lee & Jackson, Inc.

Ladd Engineering Associates, Inc.

Martin Group, Inc.

McCall-Thomas Engineering Company, Inc.
Mid-South Consulting Engineers, Inc.

Mid-State Consultants, Inc.

Milford Engineering Corp. Mitchell Engineering

Monte R. Lee & Company

RVW, Inc.

Telecom Engineers

Vantage Point Solutions, Inc.

SPECIAL THANKS TO OUR SPONSORS

AFL Telecommunications

Allied Telesyn

Calix

Cisco Systems

CopperCom

Innovative Systems

Metaswitch

Microsoft & Alcatel

Nortel Networks

NRTC

Symmetricom

Tekelec

Tut Systems

Zhone Technologies

The Association of



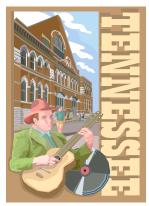
Communication Engineers

in conjunction with the

USDA Rural Development Telecommunications Program

are pleased to present

Telecom Trends, Strategies & Blue Suede in Memphis



www.ace-engineers.com

April 30 – May 3, 2006 Marriott Memphis Downtown Memphis. Tennessee